

CUSTOMER REFERENCE  
**LARGE LOOP PILE SDN**

Sample description as provided by customer  
Mass/unit area **30 oz/yd<sup>2</sup>**  
Construction Details **Tufted** Secondary Backing **Synthetic**  
Style **High and Low Loop**

Order No. **KG**  
Pile Fibre Content **100% SOLUTION DYED NYLON**  
Colour **Charcoal / Grey**  
Pile Height / mm

**TEST METHOD AS/ISO 9239.1 2003 Reaction To Fire Tests For Floorings Part 1 Determination of the Burning Behaviour Using a Radiant Heat Source. As required by specification C1.10 of the Building Code of Australia.**

The test values relate to the behaviour of the test specimens of a product under the particular conditions of the test, they are not intended to be the sole criterion for assessing the potential fire hazard of the product. Clause 9 of AS/ISO 9239 Part 1.

Conditioning as specified in BS EN 13238.2001

Sample submitted Date **May 2016**

Test Date **18 Jun 2016**

**ASSEMBLY SYSTEM: DIRECT STICK** (Details Below).

The floor covering was directly stuck to the substrate using **ROBERTS 95** adhesive.

Substrate: **Non-Combustible**

Substrate - **6mm Fibre Reinforced Cement Board to simulate a Non-Combustible Flooring.**

The Holding Torque on Specimen Frame was 2Nm.

Initial Test Specimen 1 Length Direction Critical Radiant Flux **7.3 kW/m<sup>2</sup>**  
Specimen 1 Width Direction Critical Radiant Flux **6.4kW/m<sup>2</sup>**  
Full tests carried out in the **Width** Direction


SPECIMEN	Width #1	Width #2	Width #3	Mean
Critical Radiant Flux (kW/m <sup>2</sup> )	<b>6.4</b>	<b>6.4</b>	<b>6.6</b>	<b>6.5</b>
Smoke Development Rate (%.min)	<b>49</b>	<b>29</b>	<b>44</b>	<b>41</b>

The values quoted below are as required by Specification C1.10 Fire Hazard Properties (Floors) of the Building Code of Australia. The Critical Radiant Flux quoted is the value at Flame-Out/Extinguishment (BCA General Provisions A1.1).

**MEAN CRITICAL RADIANT FLUX 6.5 kW/m<sup>2</sup>**

**MEAN SMOKE DEVELOPMENT RATE 41 percent-minutes**


OBSERVATIONS: **The samples shrunk away from the heat source, ignited and burnt a relatively short distance.**



**M. B. Webb**  
Technical Manager

DATE: 18 Jun 2016

Performance & Approvals  
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Clause 9 of AS/ISO 9239 Part 1


The values on Page 2 have no relevance to the Code.

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**TIME FOR EACH SPECIMEN TO REACH EACH MARKER IN SECONDS**

Specimen	50	60	110	160	210	260	310	360	410	460	510	560	610	660	710	760	810	860
1	296	298	590	793	942	1254	1590											
2	359	361	484	865	1052	1532	1746	/										
3	297	299	557	980	1302	1588	1912	/										

TESTS	BURNING CHARACTERISTICS		SMOKE PRODUCTION		
	Specimen	Burn Length (mm) at Flame Out/ Extinguishment	Time To Burn Out (s)	Maximum Light Attenuation (%)	Smoke Development Rate (%.min)
Initial Test: <b>Length</b>		286	1,658	12	51
Specimen Tests: <b>Width</b>					
1		330	1,793	13	49
2		330	1,998	12	29
3		320	2,027	19	44
<b>Mean</b>		327	1,939	15	41



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**TECHNICAL  
COMPETENCE**



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The laboratory does not allow the use of this page of the report without the use of page 1.  
This page alone has no validity under Clause 9 of AS/ISO 9239 Part 1  
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